



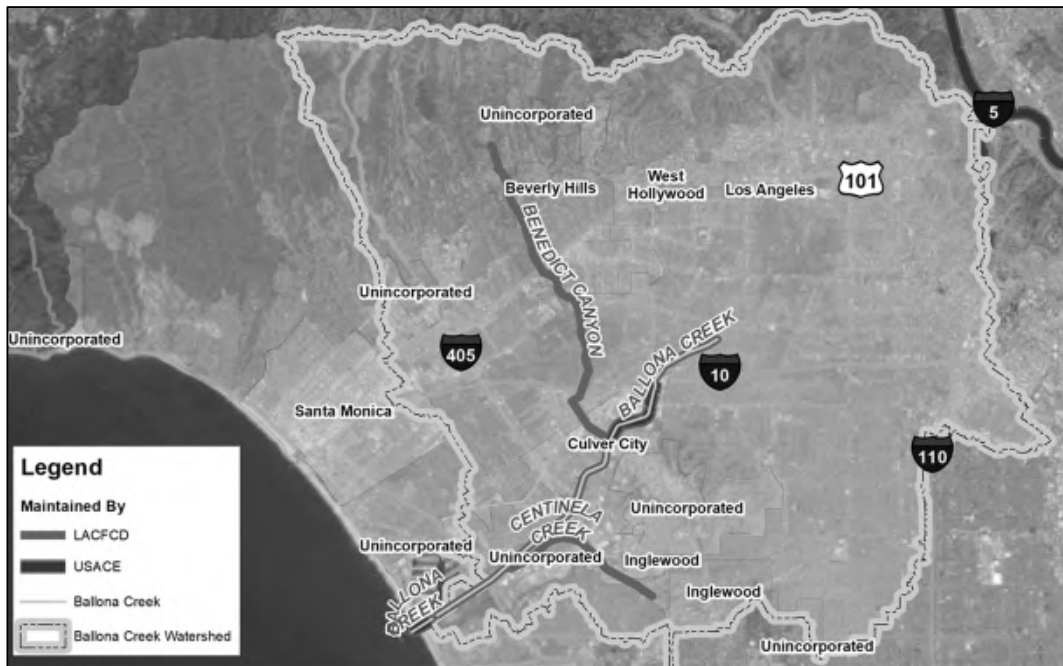
# **Ballona Creek Channel Trash Reduction Efforts**

Stakeholders Meeting  
October 7, 2020

# Overview

- Ballona Creek Channel
- Trash Issue
  - Flood Control District's ongoing trash reduction efforts
  - Efforts by the community
- 2019 Actions
  - Motion by the Los Angeles County Board of Supervisors
  - Solutions by the County and Flood Control District
    - Public education campaign
    - Enhanced structural trash reduction efforts
      - Short-term
      - Long-term
      - Pilot project

# Ballona Creek Channel



- Built by the United States Army Corps of Engineers in the 1930s
- 9 miles long
- Operated and maintained by the Flood Control District
- 130 square mile watershed
- Provides flood protection and recreational uses

# Ballona Creek Trash Issue



# Ballona Creek Trash Issue



# Ongoing Flood Control District Trash Reduction Efforts

- Challenges of trash boom located at Lincoln Boulevard
  - Labor intensive; affected by incoming tides; employee safety
  - Debris sometimes bypasses boom and continues downstream
- Removal of residual trash along the banks



# Trash Reduction Efforts by the Community

- Ballona Creek Renaissance
- Friends of Ballona Wetlands
- Friends of the Jungle
- Heal the Bay



Picture courtesy of Ballona Creek Renaissance.  
Marina del Rey cleanup, Fall 2019.

# 2019 Actions

- March 2019
  - Motion by Los Angeles County Board of Supervisors to address trash and debris in Ballona Creek
- Solutions
  - Source control
  - Redundant trash capture systems
  - New Technology





# Public Education Campaign

## TRASH TRAVELS 💧 THE JOURNEY BEGINS WITH YOU!

**Billboards**



**Transit Shelters**



**Bike Path Signs**



**Newspapers and  
Digital Ads**



**Brochures**



# Enhanced Structural Trash Reduction Efforts



# Enhanced Structural Trash Reduction Measures (Short-Term)



**Ballona Creek  
near Lincoln Boulevard**  
June 2020



**Centinela Creek  
near Centinela Avenue**  
July 2020



**Ballona Creek  
near Purdue Avenue**  
September 2020

# The Ocean Cleanup

- Non-profit foundation
- Founded in 2013 by Dutch inventor Boyan Slat
- Mission: To rid the world's oceans of plastic
- Initiatives
  - Oceans
    - Great Pacific Garbage Patch
  - Rivers
    - 1,000 rivers, 80% of pollution, 5 years
- [www.theoceancleanup.com](http://www.theoceancleanup.com)



# Ballona Creek Trash Interceptor Pilot Project



Left to right: Public Works Director Mark Pestrella, County Supervisor Janice Hahn, The Ocean Cleanup Representative Joost Dubois, and Dutch Director General for Environment and International Affairs Roald Lapperre

# Ballona Creek Trash Interceptor Pilot Project Benefits

## Los Angeles County

- Partner with trash capture specialist
- Test technology without needing to incur cost of acquiring Interceptor
- Springboard for future public-private partnerships
- Anticipated improvement in trash capture efficacy and reduced costs associated with trash removal

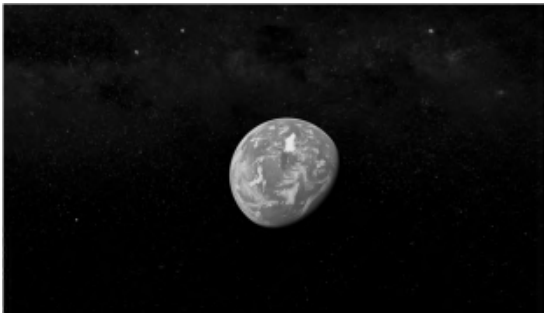
## The Ocean Cleanup

- Partner with largest United States public works agency
- Pilot the Interceptor under high flow rates
- Collect high quality performance data
- Springboard for deployment in North America

## Mutual Benefits

- Address an ongoing environmental problem
- Supports Los Angeles' position as environmental leader

# Ballona Creek Trash Interceptor Pilot Project Location

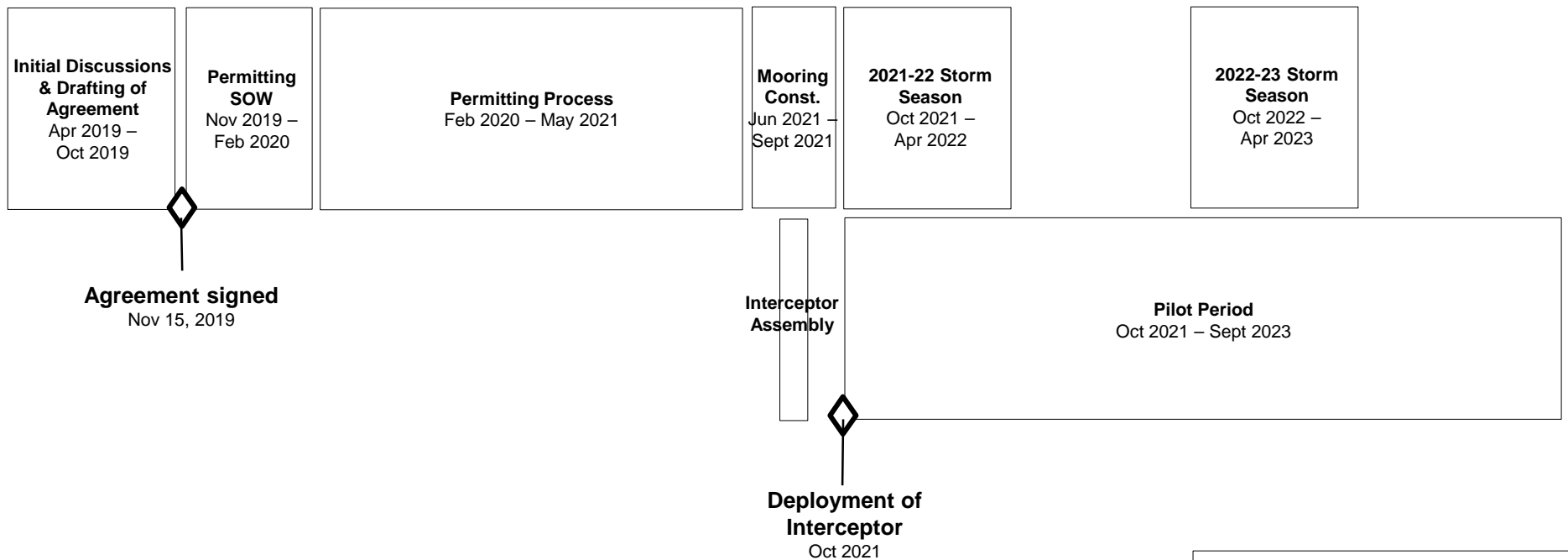




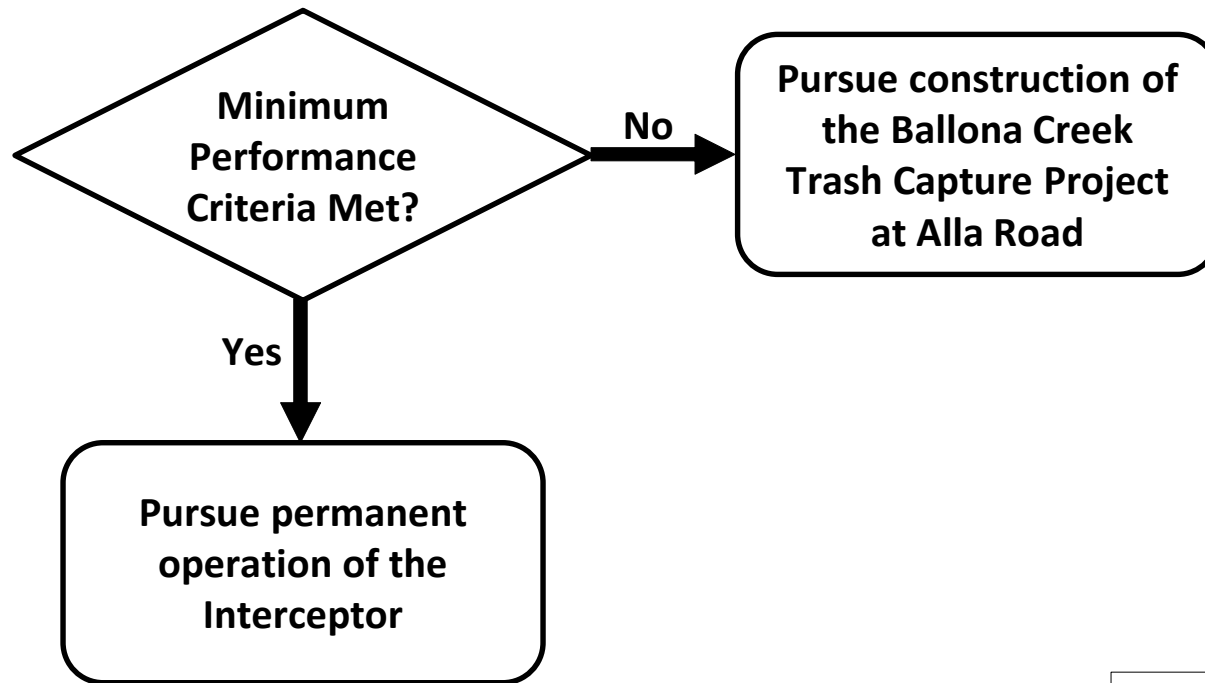
# How it Works



# Ballona Creek Trash Interceptor Pilot Project Timeline



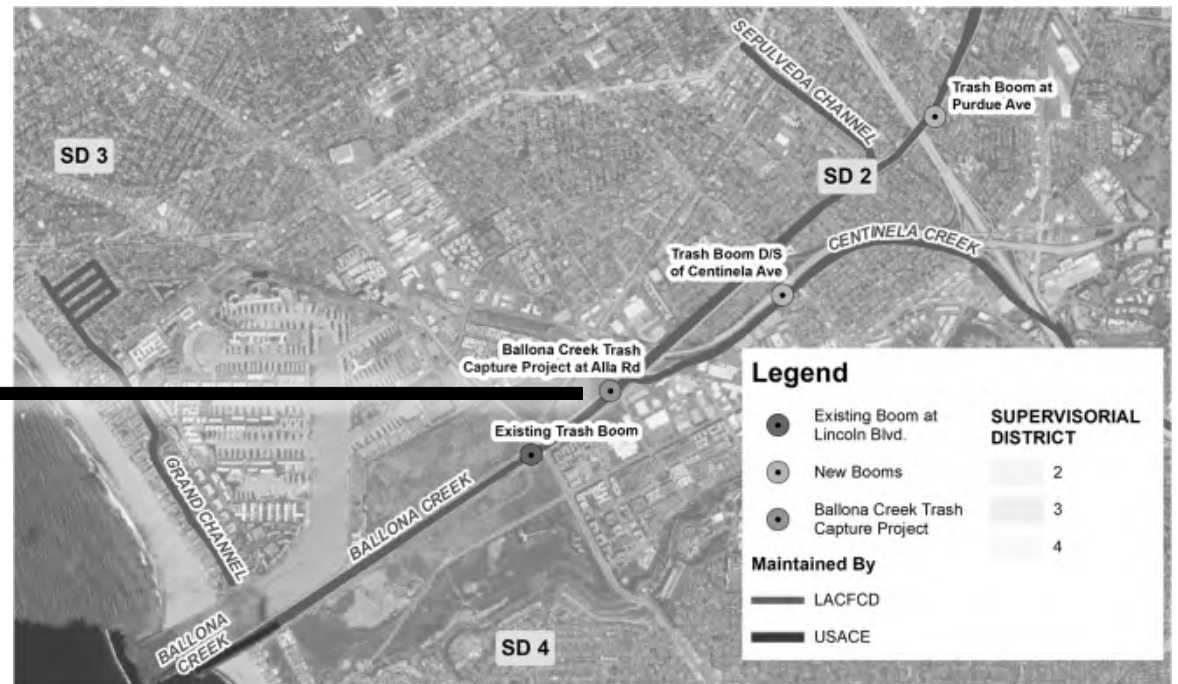
# Post Ballona Creek Trash Interceptor Pilot Project



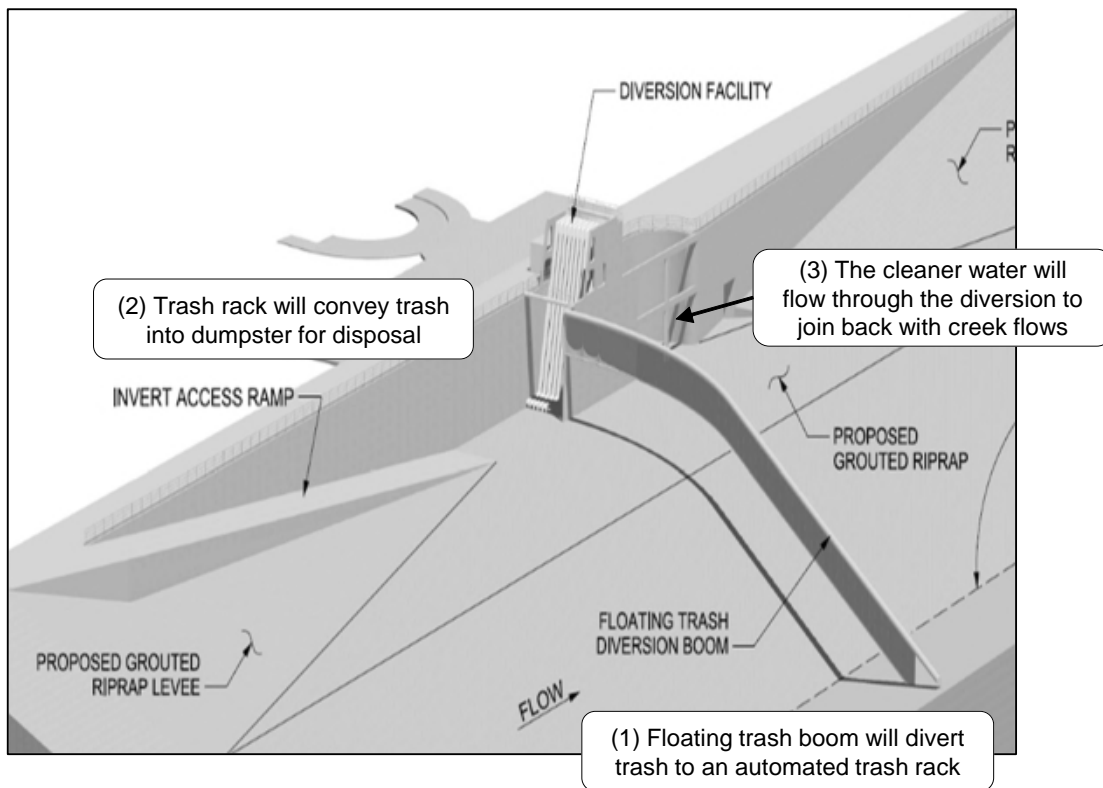
# Ballona Creek Trash Capture Project (Long-Term)



Aerial of Project Location



# Ballona Creek Trash Capture Project (Long-Term)



- Located on the southern bank of Ballona Creek at Alla Road
- Tentative construction schedule
  - Start - Early 2024
  - End - Summer 2026
- May not come to fruition if the Pilot Project is successful

## Next Steps

- 2020-21 Storm Season: Operate three (3) trash booms
  - Ballona Creek near Lincoln Boulevard
  - Centinela Creek near Centinela Avenue
  - Ballona Creek near Purdue Avenue
- Spring 2021: Obtain jurisdictional approvals for the Pilot Project
- Summer 2021: Construct moorings for the Pilot Project
- Fall 2021: Deploy Interceptor and start the Pilot Project

## Questions and Contact Information

### **Ballona Creek Trash Interceptor Team**

BallonaInterceptor@pw.lacounty.gov

<https://pw.lacounty.gov/swp/BallonaCreek/>